

DERWENT- 2002-714820

ACC-NO:

DERWENT- 200278

WEEK:

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TITLE: Weighing scales and display for incorporation in a suitcase or other luggage handle, measures tensile force in handle due to weight of suitcase and displays result on LCD

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PRIORITY-DATA: 2002DE-2010055 (July 2, 2002)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
DE 20210055	U1 October 2, 2002	N/A	005	G01G 019/62

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO	APPL-DATE
DE 20210055U1	N/A	2002DE-2010055	July 2, 2002

INT-CL (IPC): G01G019/62

ABSTRACTED-PUB-NO: DE 20210055U

BASIC-ABSTRACT:

NOVELTY - Integrated baggage weighing scales and display in which the handle and display form a single unit. A tensile force on the handle (1) is transmitted to a pressure sensor (5) via the rectangular profile of the handle strut (3). The resulting resistance value caused by the pressure is displayed using a LCD module (10) after a microchip has converted the pressure value into a kg value.

DETAILED DESCRIPTION - The empty weight of the suitcase is first subtracted from the measured weight, and an excess weight is indicated by a blinking indication. Power supply is via solar panels.

USE - Scales and display integrated into a suitcase or other luggage handle.

ADVANTAGE - Excess weight is quickly indicated to the person carrying the luggage so that they are immediately aware if there is too much weight in the bag. Adjustments can be made prior to arrival at the airport to avoid embarrassment and time-wasting.

DESCRIPTION OF DRAWING(S) - The drawing shows a cross sectional side view of the suitcase handle.

Handle 1

Pressure sensor 5

Handle strut 3

Display module 10

CHOSEN- Dwg.1/6
DRAWING:

TITLE- WEIGH SCALE DISPLAY INCORPORATE SUITCASE LUGGAGE HANDLE MEASURE TENSILE
TERMS: FORCE HANDLE WEIGHT SUITCASE DISPLAY RESULT LCD

DERWENT-CLASS: P24 S02

EPI-CODES: S02-D01B; S02-D02X; S02-D03;

SECONDARY-ACC-NO:

Non-CPI Secondary Accession Numbers: N2002-563871

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